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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/563,537	12/29/2005	Duk Hyun Ryu	LEE-0046	8657
23413 08/19/2009 CANTOR COLBURN, LLP 20 Church Street			EXAMINER	
			HAN, KWANG S	
22nd Floor Hartford, CT (06103		ART UNIT	PAPER NUMBER
			1795	
			NOTIFICATION DATE	DELIVERY MODE
			08/19/2009	EL ECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

usptopatentmail@cantorcolburn.com

Application No. Applicant(s) 10/563,537 RYU ET AL. Office Action Summary Examiner Art Unit Kwang Han 1795 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 09 June 2009. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) _____ is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-15 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s)

PTOL-326 (Rev. 08-06)

1) Notice of References Cited (PTO-892)

Paper No(s)/Mail Date 6/9/09

Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Notice of Draftsperson's Patent Drawing Review (PTO-948)

Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.

6) Other:

5) Notice of Informal Patent Application

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SECONDARY BATTERY WITH AN IMPROVED SAFETY

Examiner; K. Han SN: 10/563,537 Art Unit; 1795 August 17, 2009

Detailed Action

 The Applicant's amendment filed on June 9, 2009 was received. Claims 1, 2, 8-10, 13, and 15 were amended.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant repards as his invention.
- 4. Claims 1-9 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

It is unclear as to how the aluminum layer can be electrically connected with the positive and negative terminals and be electrically insulated from the negative or positive electrode. The aluminum layer electrically connected with a terminal would also have to be electrically connected with the electrodes.

For the purposes of examination it will be assumed that an aluminum layer not making an electrical connection beyond the region of the terminal (away from the main body of the electrodes) meets the limitations of the claims.

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Claim Rejections - 35 USC § 102

- The claim rejections under 35 U.S.C. 102(b) as being anticipated by Langan et al. on claims 1-6 and 8-9 are withdrawn, because the independent claims 1, 8, and 9 has been amended.
- Claim 1-15, are rejected under 35 U.S.C. 102(b) as being anticipated by Chang et al. (US 6387566).

Regarding claims 1, 6-11, 14 and 15, Chang discloses a lithium ion battery [Abstract] with a battery package comprised of an aluminum foil (electrically conductive aluminum layer) coated with a thin layer of an insulating polymer on the outer layers (laminate film; 2:24-30) and an adhering layer electrically insulating the foil packaging from the electrode portion which encloses the outer perimeter of the battery, covers the outer surface of the positive and negative electrodes, and a portion of each of the terminals (37, 38) of the positive and negative electrodes (Figure 4A, 4B). Chang further discloses connectors (36a, 36b, conductive material) which form an electrical connection between the aluminum layer and the positive and negative terminals at an exposed region (Figure 4B).

Regarding claim 2, Chang discloses the aluminum layer of the battery package and the positive and negative terminals to be connected directly with each other (Figure 4B).

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Regarding claims 3, 4, 8, and 9, it is noted that these claims are product-byprocess claims. "Even though product-by-process are limited by and defined by the
process, determination of patentability is based on the product itself. The patentability
of a product does not depend on its method of production. If the product in the productby-process claim is the same as or obvious from a product of the prior art, the claim is
unpatentable even though the prior product was made by a different process." In
reThorpe, 777 F. 2d 695, 698, 227 USPQ 964, 966 (Fed. Cir. 1985). The battery
structure of Chang is similar to that of the Applicant's, Applicant's method of forming the
connections and removing a portion of the layer is not given patentable weight in the
claims.

Regarding claim 5, Chang discloses the electrically conductive material to be aluminum (2:30-32).

Regarding claim 12, It is well known to one of ordinary skill in the art that aluminum foil has thermal conductivity. A reference which is silent about a claimed invention's features is inherently anticipatory if the missing feature is necessarily present in that which is described in the reference. In re Robertson, 49 USPQ2d 1949 (1999).

Regarding claim 13, Chang discloses a separator (34) interposed between the metal foils (2:11-18).

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Claim Rejections - 35 USC § 103

7. The claim rejection under 35 U.S.C. 103(a) as unpatentable over Langan et al. as applied to claim 1 and further in view of Yageta et al. on claims 7, 10-4, and 15 is withdrawn, because independent claims 1, 8, and 9 has been amended.

Response to Arguments

 Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

 Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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Contact/Correspondence Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kwang Han whose telephone number is (571) 270-5264. The examiner can normally be reached on Monday through Friday 8:00am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dah-Wei Yuan can be reached on (571) 272-1295. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/K. H./

Examiner, Art Unit 1795

/Dah-Wei D. Yuan/

Supervisory Patent Examiner, Art Unit 1795